

CLAIMS

1. Method of searching, drafting and editing of electronic files comprising the use of one or more peripheral computers, each computer handling an assembly of one or more updatable data bases comprising electronic documents, said electronic documents comprising information suitable to identify the same documents, each peripheral computer handling searches for, drafting of, communication about, and editing of, documents, the method being characterised in that said data base assembly provides one or more catalogues relevant to the documents, the search of documents or of part of documents being carried out employing at least one search criteria comprising the use of one or more catalogues.

2. Method according to claim 1, characterised in that said one or more catalogues comprise a list of title of the documents.

3. Method according to claim 1 or 2, characterised in that said one or more catalogues comprise a list of the contests for which the documents are available, including the titles of the contests.

4. Method according to one of the preceding claims 1 - 3, characterised in that said one or more catalogues comprise the catalogue of the searches already carried out.

5. Method according to one of the preceding claims 1 - 4, characterised in that said one or more databases provide pointers to a document collection.

6. Method according to one of the preceding claims 1 - 5, characterised in that two search criteria are provided, a first search criterium being used in a first step A, a second criterium being used in a second step B to semantically analyse documents obtained from step A.

7. Method according to claim 6, characterised in that specialised dictionaries are employed in step B, relevant to specific contests and/or of the reference semantic assemblies relevant to the contests.

8. Method according to one of the preceding claims 1 - 7, characterised in that said assembly of one or more databases is identical for all the peripheral computers.

9. Method according to one of the preceding claims 1 - 8, characterised in that said information suitable to identify documents are text information.

5 10. Method according to one of the preceding claims 1 - 9, characterised in that said documents are hypertext documents.

11. Method according to claim 10, characterised in that the first step A is carried out by one or more hypertext search engines using said first search criteria.

10 12. Method according to claim 10 or 11, characterised in that in the second step B, documents obtained from step A are semantically analysed up to a pre-set hypertextual level.

15 13. Method according to one of the preceding claims 10 - 12, characterised in that said first search criteria provides the use of keywords relevant to the content and/or the title of the documents, and/or the use of the definition of a contest, and/or the use of the number of the following surfing levels and/or the use of the identification of the search engines to be used.

20 14. Method according to one of the preceding claims 6 - 13, characterised in that second search criteria at least partially uses the keys and the contest of the first search criteria.

15. Method according to one of the preceding claims 6 - 14, characterised in that semantic analyses comprises an "abstracting" step.

25 16. Method according to one of the preceding claims 6 - 15, characterised in that documents are analysed at least up to the third hypertextual level.

17. Method according to claim 16, characterised in that documents are analysed at least up to the fifth hypertextual level.

30 18. Method according to one of the preceding claims 6 - 17, when depending on claim 4, characterised in that search uses information relevant to the keywords and to the results of previous searches.

19. Method according to one of the preceding claims 6 - 18, characterised in that the method further comprises the step of:

35 C. displaying the documents obtained in the first search step on a graphic user interface, said graphic interface comprising a first

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displaying window with the documents placed listed and a second window for drafting new documents.

20. Method according to one of the preceding claims 6 - 19, characterised in that said one or more peripheral computers are
5 connected to a server.

21. Method according to claim 20, characterised in that one or more of said data bases are stored within said server, said data bases being updated on the peripheral computers.

22. Method according to claim 20 or 21, characterised in
10 that first search criteria comprises GRID options.

23. Method according to claim 21 or 22, characterised in that method further comprises the following step:

D. communication of the first search criteria from the peripheral computer to the server.

24. Method according to one of the preceding claims 21 -
15 23, characterised in that the method further comprises the step of:

E. communication of the second search criteria from the peripheral computer to the server.

25. Method according to one of the preceding claims 21 -
20 24, characterised in that the method further comprises the step of:

F. carrying out a first search by the peripheral computer, by consultation of a local catalogue of the search contests and of the already performed searches, as well as of the document addresses.

26. Method according to claim 25, characterised in that the
25 method further comprises the step of:

G. retrieving of the documents obtained in the first search by the server.

27. Method according to claim 26, characterised in that the method further comprises the step of:

30 H. providing credential and keys, as well as inialization of communication channels by the server, suitable to enable the peripheral computer to p2p communications with other peripheral computers for retrieving and exchanging said documents.

28. Method according to claim 27, characterised in that p2p
35 communications use semi-private key cryptography.

29. Method according to claim 28, characterised in that a markup is added to the retrieved documents.

30. Method according to claim 29, characterised in that the markup is a HTML markup.

31. Method according to one of the preceding claims 26 - 30, characterised in that it further comprises the step of:

5 I. carrying out an analyses of the documents according to said first search criteria by the peripheral computer.

32. Method according to claim 31, characterised in that the method further comprises the step of:

10 J. carrying out an analyses according to said second search criteria of the documents discarded according to said first search criteria by the peripheral computer.

33. Method according to claim 32, characterised in that the method further comprises the step of:

15 K. carrying out an analyses according to said second search criteria of the documents discarded according to said first search criteria by the server.

34. Method according to one of the preceding claims 26 - 33, characterised in that it further comprises the step of:

20 L. carrying out a search of new documents in the Internet by the peripheral computer or by the server.

35. Method according to claim 34, characterised in that it further comprises the step of:

25 M. analyses, by the peripheral computer, according to said first search criteria of the documents obtained during the surfing.

36. Method according to claim 35, characterised in that it further comprises the steps of:

N. sending to the server the rejected documents during the analyses,

30 O. analysis by the server of the rejected documents according to said second search criterium.

37. Method according to one of the preceding claims 26 - 36, characterised in that it further comprises the step of:

P. displaying, by the peripheral computer, through the user interface, the documents obtained from the search.

35 38. Method according to claim 37, characterised in that said documents obtained from the search are editable on said peripheral computer.

39. Method according to claim 38, characterised in that the document(s) selected through the user interface are displayed on a window, and at the same time a window is displayed to modify the local documents and the access to local data bases.

5 40. Method according to claim 38 or 39, characterised in that final documents are drafted in the XML format.

41. Method according to one of the preceding claims 38 - 40, characterised in that the method further comprises the step of:

10 Q. adding by the server and/or peripheral computer to one or more of said data bases, one or more new documents created on the basis of all or part of the documents obtained from the search.

42. Method according to one of the preceding claims 21 - 41, characterised in that a document hypertext drafting mode can be selected by a user interface on the peripheral computer.

15 43. Method according to claim 42, characterised in that the list of the documents available for consultation and use is displayed.

44. Method according to one of the preceding claims 38 - 43, characterised in that one or more documents created on the basis of all or part of the documents obtained from the search can be published on the Internet.

20 45. Method according to one of the preceding claims 21 - 44, characterised in that hypertext surfing mode is selected by a user interface on the peripheral computer.

25 46. Method according to claim 45, characterised in that the hypertext surfing mode comprises the enabled of the automatic detection of the presence of the search keys and of the use of libraries.

30 47. Method according to one of the preceding claims 21 - 46, characterised in that a document search mode can be selected by a user interface on the peripheral computer.

48. Method according to one of the preceding claims 10 - 47, characterised in that OLE-CLI libraries with reader function on all the not HTML and not XML documents are used.

35 49. User or client peripheral computer, characterised in that it carries out step A of the method according to one of the claims 6 - 48.

50. User or client peripheral computer according to claim 49, characterised in that peripheral computer can carry out step B of the method according to one of the claims 6 - 48.

5 51. Server computer, characterised in that it carries out step G of the method according to according to one of the claims 26 - 48.

52. Computer program characterised in that it comprises code means suitable to carry out, when operating on a computer, step A of the search, drafting and hypertext editing method according to according to one of the claims 6 - 48.

10 53. Computer program according to claim 52, characterised in that According to the invention, computer program can comprise code means suitable to carry out, when operating on a computer, step B of the search, drafting and hypertext editing method according to according to one of the claims 6 - 48.

15 54. Memory support readable by a computer, having a program memorised, characterised in that the program is the computer program according to claim 53.

20 55. Computer program characterised in that it comprises code means suitable to carry out, when operating on a computer, step G of the search, drafting and hypertext editing method according to according to one of the claims 26 - 48.

56. Memory support readable by a computer, having a program memorised, characterised in that the program is the computer program according to claim 55.